

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073020\  
 Data File : VW016000.D  
 Acq On : 30 Jul 2020 10:05  
 Operator : SY/VA  
 Sample : L3492-01  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 31 06:35:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 31 06:34:21 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 449946   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 412721   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 192073   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 100256   | 15.79    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 63.16% |
| 7) Chloroethane-d5             | 2.89   | 69    | 99788    | 19.35    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.40% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 249860   | 19.47    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 77.88% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 75520    | 45.28    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 90.56% |
| 24) Chloroform-d               | 7.65   | 84    | 258790   | 20.48    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 81.92% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 140008   | 20.18    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 80.72% |
| 29) Benzene-d6                 | 8.27   | 84    | 527829   | 21.01    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 84.04% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 161860   | 21.49    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 85.96% |
| 37) Toluene-d8                 | 10.33  | 98    | 458498   | 20.15    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 80.60% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 63258    | 19.71    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 78.84% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 60061    | 47.89    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 95.78% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 131764   | 22.76    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 91.04% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 161073   | 21.51    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 86.04% |

## Target Compounds

| Target Compounds             | R.T. | QIon | Response | Conc   | Units | Ovalue |
|------------------------------|------|------|----------|--------|-------|--------|
| 3) Chloromethane             | 2.21 | 50   | 114839   | 24.939 | ug/L  | 100    |
| 6) Bromomethane              | 2.79 | 94   | 40721    | 9.611  | ug/L  | 99     |
| 9) Trichlorofluoromethane    | 3.26 | 101  | 85995    | 18.014 | ug/L  | 99     |
| 12) 1,1-Dichloroethene       | 4.04 | 96   | 136341   | 23.572 | ug/L  | 92     |
| 13) Acetone                  | 4.14 | 43   | 102733   | 73.351 | ug/L  | 95     |
| 15) Methyl Acetate           | 4.68 | 43   | 105977   | 40.131 | ug/L  | 98     |
| 16) Methylene chloride       | 4.92 | 84   | 80071    | 10.860 | ug/L  | 94     |
| 17) Methyl tert-butyl Ether  | 5.43 | 73   | 279382   | 34.158 | ug/L  | 97     |
| 18) trans-1,2-Dichloroethene | 5.43 | 96   | 70449    | 11.534 | ug/L  | 97     |
| 22) cis-1,2-Dichloroethene   | 7.18 | 96   | 178837   | 27.986 | ug/L  | 95     |
| 23) Bromochloromethane       | 7.52 | 128  | 44609    | 15.920 | ug/L  | 94     |
| 27) 1,2-Dichloroethane       | 8.40 | 62   | 76953    | 10.138 | ug/L  | 99     |
| 30) Cyclohexane              | 7.96 | 56   | 113680   | 10.924 | ug/L  | 100    |
| 31) 1,1,1-Trichloroethane    | 7.88 | 97   | 101249   | 10.506 | ug/L  | 99     |
| 32) Carbon tetrachloride     | 8.07 | 117  | 113554   | 12.994 | ug/L  | 98     |
| 35) Trichloroethene          | 9.09 | 95   | 283029   | 42.683 | ug/L  | 96     |
| 36) Methylcyclohexane        | 9.34 | 83   | 329332   | 28.944 | ug/L  | 98     |

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 Sample : L3492-01  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 31 06:35:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 31 06:34:21 2020  
 Response via : Initial Calibration

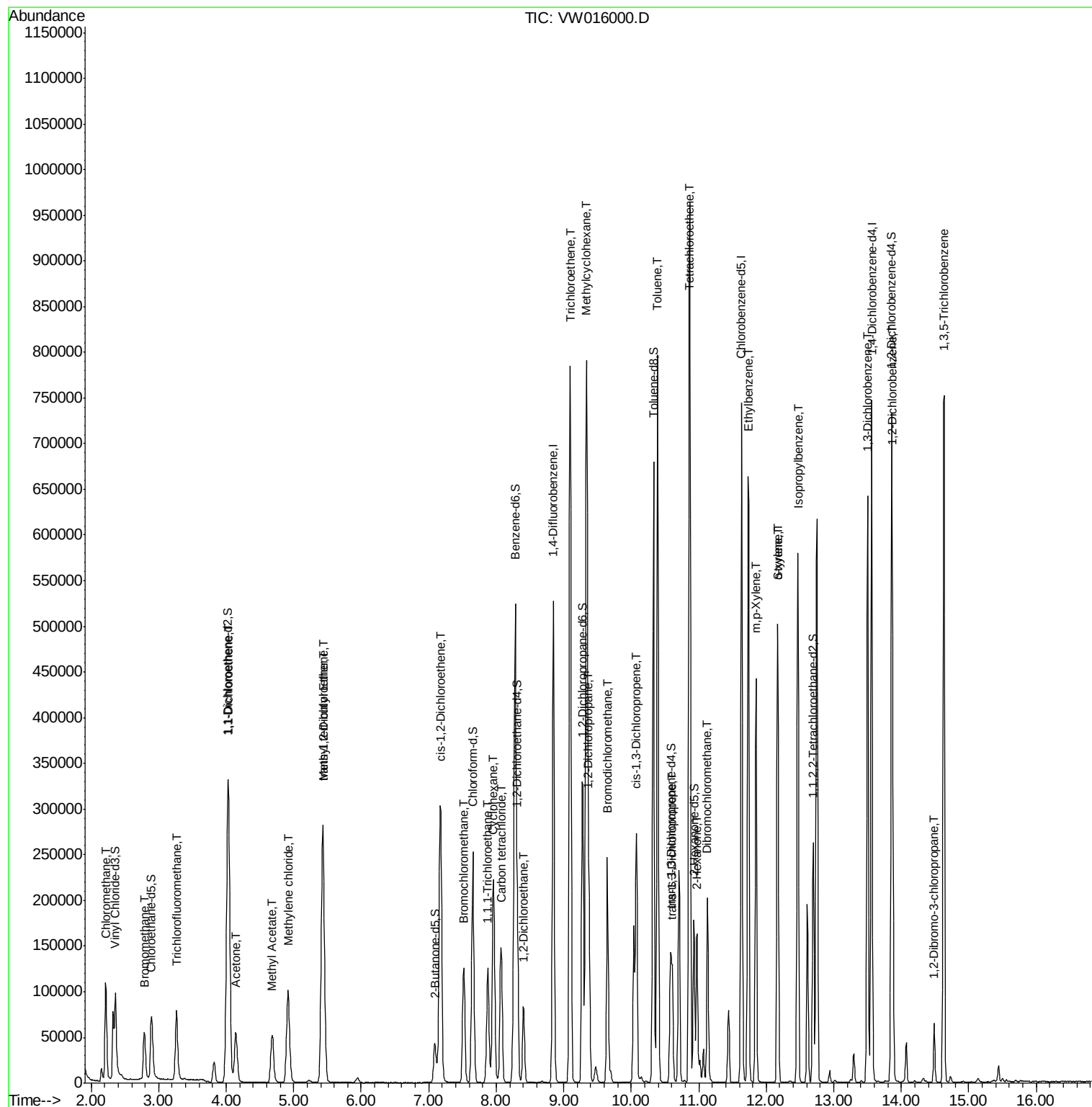
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 40) 1,2-Dichloropropane        | 9.37  | 63   | 86073    | 13.861 | uq/L   | 99       |
| 41) Bromodichloromethane       | 9.65  | 83   | 165753   | 20.668 | uq/L   | 99       |
| 42) cis-1,3-Dichloropropene    | 10.07 | 75   | 167711   | 17.733 | uq/L   | 98       |
| 44) Toluene                    | 10.39 | 91   | 586780   | 22.319 | uq/L   | 99       |
| 45) trans-1,3-Dichloropropene  | 10.61 | 75   | 65692    | 8.013  | uq/L   | 98       |
| 47) Tetrachloroethene          | 10.87 | 164  | 225503   | 43.812 | uq/L   | 97       |
| 49) 2-Hexanone                 | 10.98 | 43   | 103001   | 40.044 | uq/L   | 99       |
| 50) Dibromochloromethane       | 11.13 | 129  | 107499   | 20.793 | uq/L   | 94       |
| 53) Ethylbenzene               | 11.73 | 91   | 476453   | 16.116 | uq/L   | 99       |
| 54) m,p-Xylene                 | 11.85 | 106  | 121144   | 10.953 | uq/L   | 95       |
| 55) o-xylene                   | 12.17 | 106  | 136298   | 13.087 | uq/L   | 99       |
| 56) Styrene                    | 12.17 | 104  | 8814     | 0.498  | uq/L # | 1        |
| 57) Isopropylbenzene           | 12.47 | 105  | 377670   | 13.321 | uq/L   | 99       |
| 63) 1,3-Dichlorobenzene        | 13.50 | 146  | 264016   | 21.477 | uq/L   | 95       |
| 65) 1,2-Dichlorobenzene        | 13.87 | 146  | 120989   | 10.835 | uq/L   | 95       |
| 66) 1,2-Dibromo-3-chloropropan | 14.49 | 75   | 16389    | 19.500 | uq/L   | 96       |
| 67) 1,3,5-Trichlorobenzene     | 14.63 | 180  | 243542   | 28.176 | uq/L   | 99       |
| -----                          |       |      |          |        |        |          |

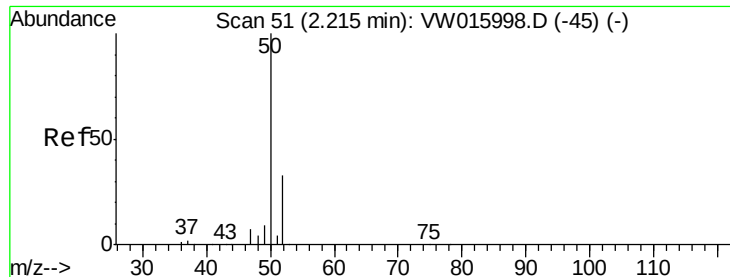
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073020\  
Data File : VW016000.D  
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Sample : L3492-01  
Misc : 5.00G/10ML/MSVOA W/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Jul 31 06:35:54 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jul 31 06:34:21 2020  
Response via : Initial Calibration





#3

Chloromethane

Concen: 24.939 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016000.D

Acq: 30 Jul 2020 10:05

Instrument :

MSVOA\_W

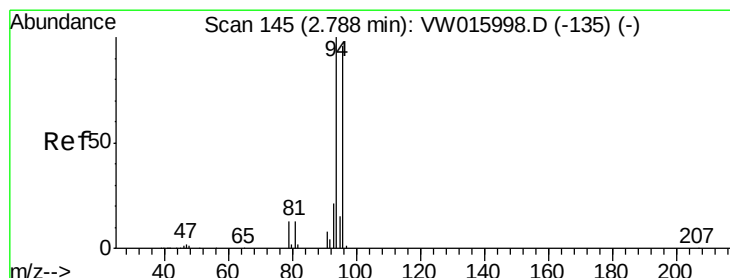
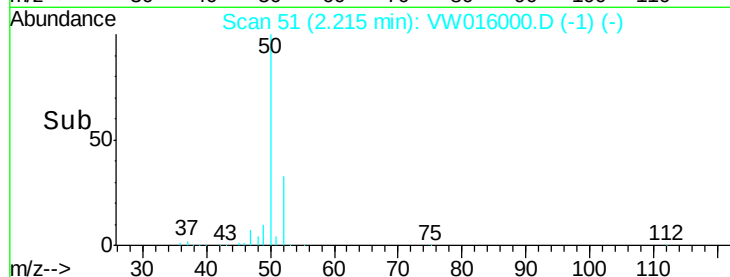
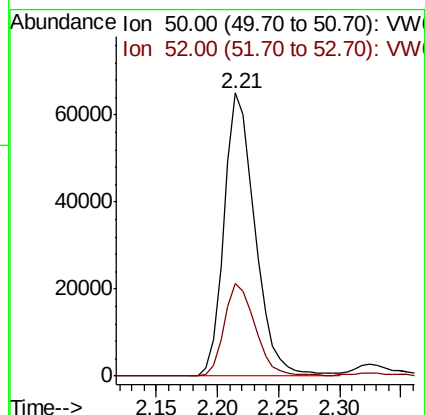
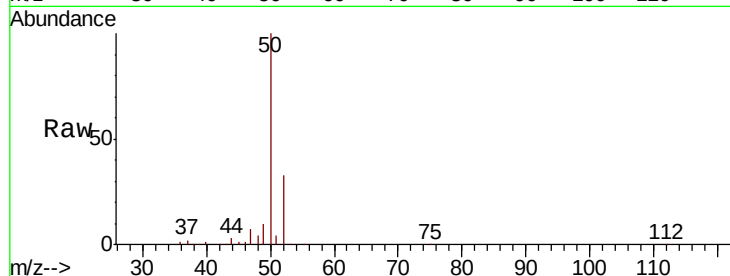
ClientSampleId :

Tot Ion: 50 Resp: 114839

Ion Ratio Lower Upper

50 100

52 32.8 22.8 42.4



#6

Bromomethane

Concen: 9.611 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW016000.D

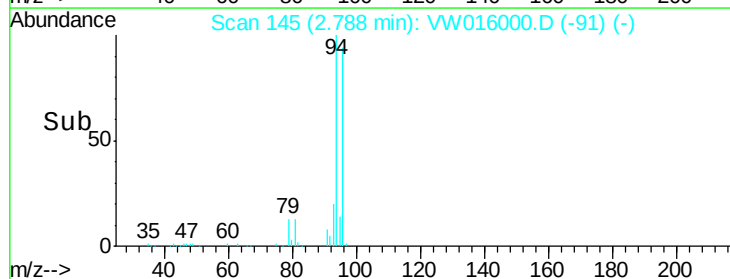
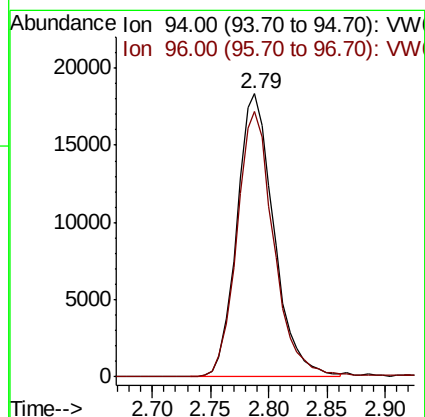
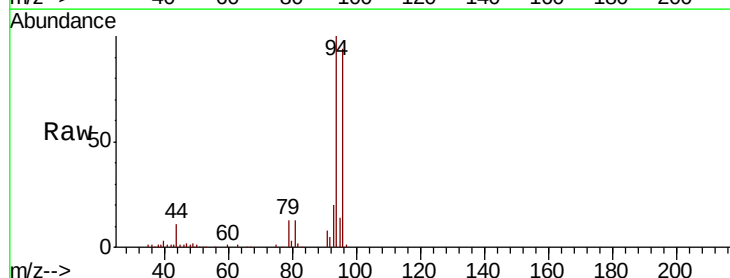
Acq: 30 Jul 2020 10:05

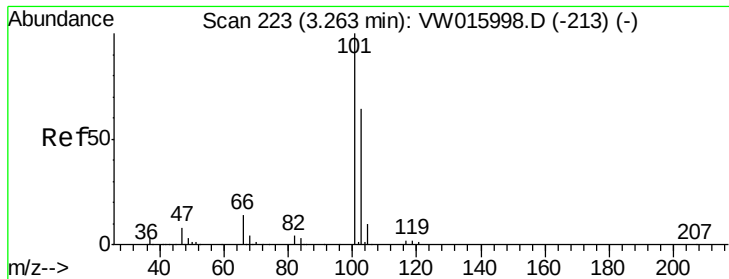
Tgt Ion: 94 Resp: 40721

Ion Ratio Lower Upper

94 100

96 93.4 9.5 180.1



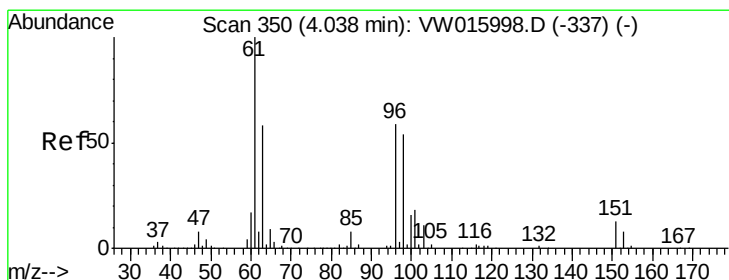
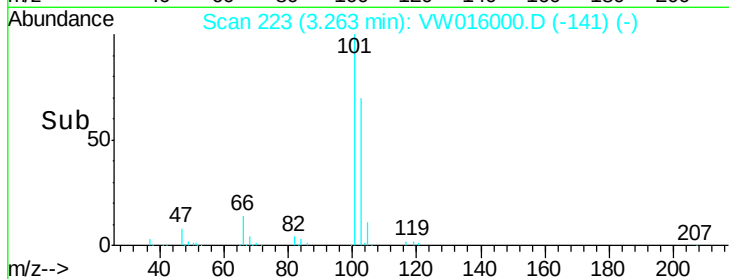
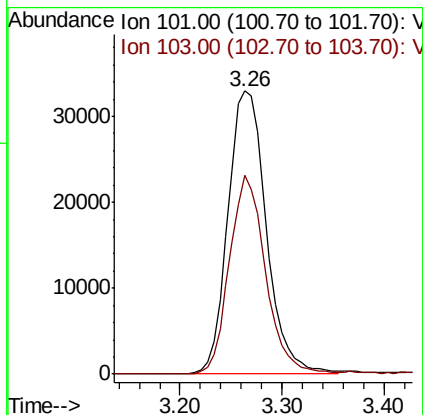
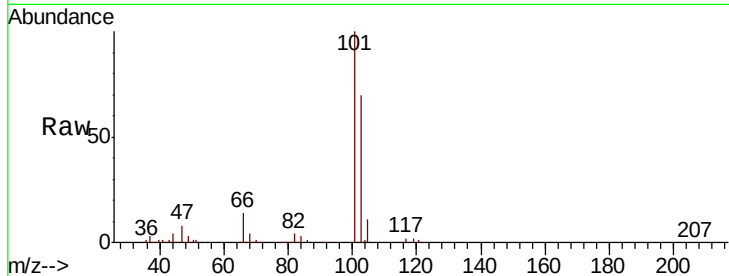


#9

Trichlorofluoromethane  
 Concen: 18.014 ug/L  
 RT: 3.26 min Scan# 223  
 Delta R.T. 0.00 min  
 Lab File: VW016000.D  
 Acq: 30 Jul 2020 10:05

Instrument :  
 MSVOA\_W  
 ClientSampleId :

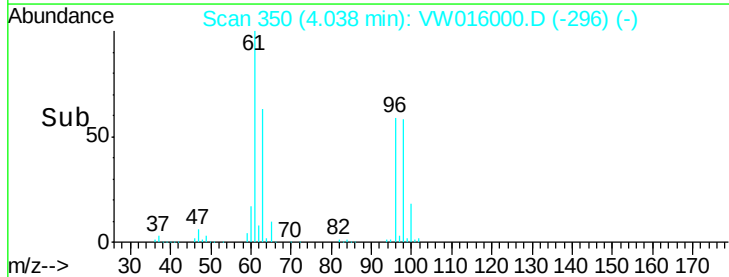
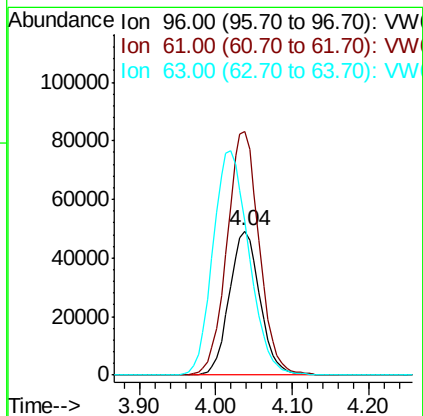
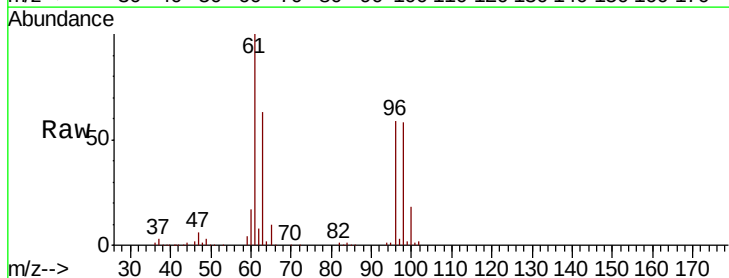
Tot Ion:101 Resp: 85995  
 Ion Ratio Lower Upper  
 101 100  
 103 66.1 45.8 85.2

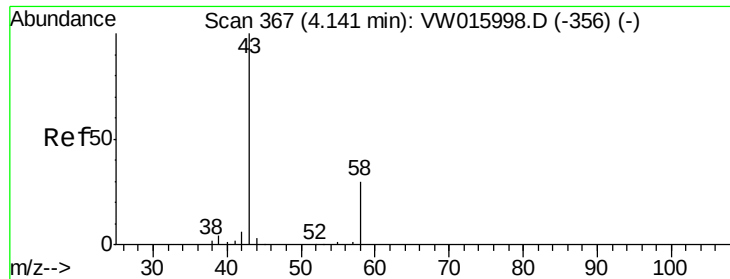


#12

1,1-Dichloroethene  
 Concen: 23.572 ug/L  
 RT: 4.04 min Scan# 350  
 Delta R.T. 0.00 min  
 Lab File: VW016000.D  
 Acq: 30 Jul 2020 10:05

Tgt Ion: 96 Resp: 136341  
 Ion Ratio Lower Upper  
 96 100  
 61 168.9 125.0 232.2  
 63 106.6 82.3 152.8





#13

Acetone

Concen: 73.351 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW016000.D

Acq: 30 Jul 2020 10:05

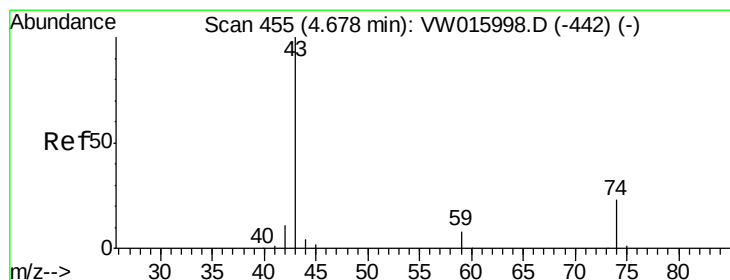
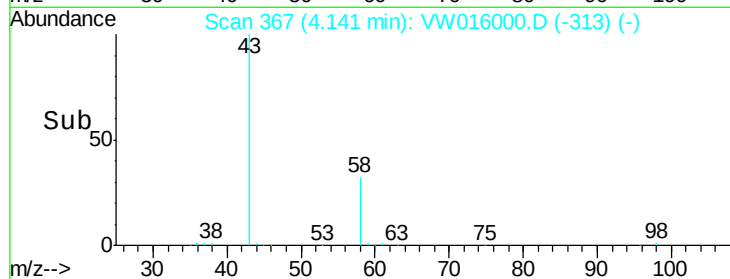
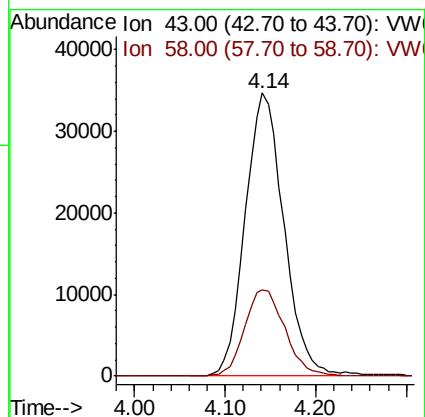
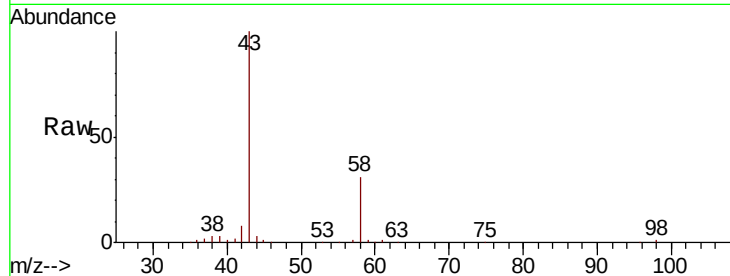
Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion: 43 Resp: 102733

Ion Ratio Lower Upper

43 100

58 32.0 0.0 58.2



#15

Methyl Acetate

Concen: 40.131 ug/L

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW016000.D

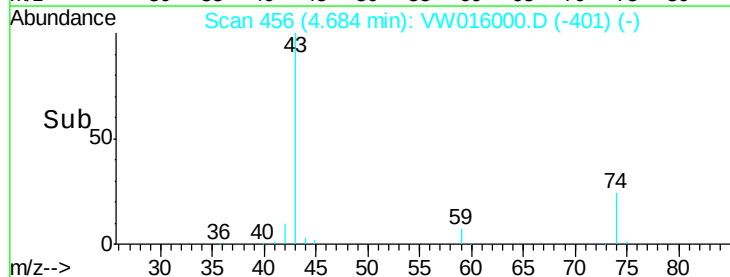
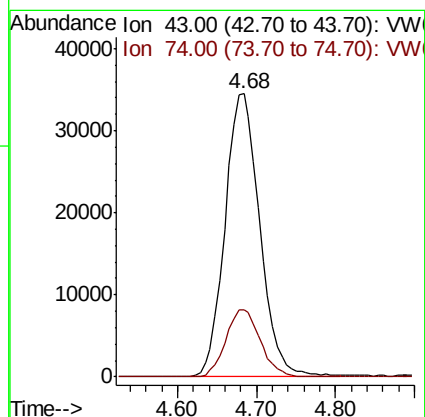
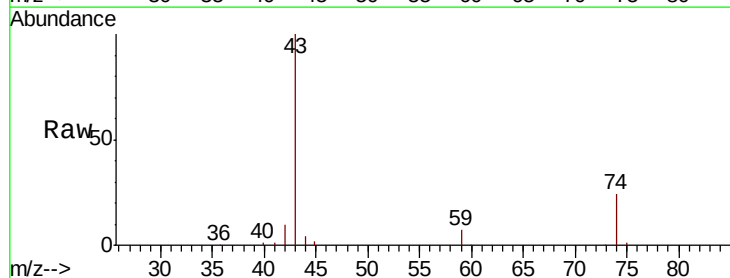
Acq: 30 Jul 2020 10:05

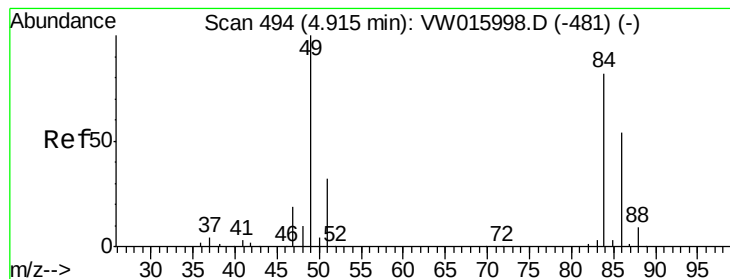
Tgt Ion: 43 Resp: 105977

Ion Ratio Lower Upper

43 100

74 23.6 18.2 27.2





#16

Methylene chloride

Concen: 10.860 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW016000.D

Acq: 30 Jul 2020 10:05

Instrument :

MSVOA\_W

ClientSampleId :

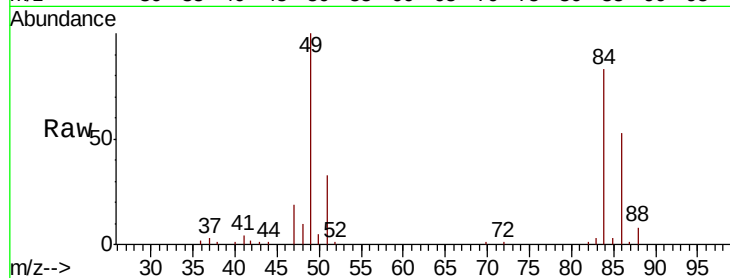
Tot Ion: 84 Resp: 80071

Ion Ratio Lower Upper

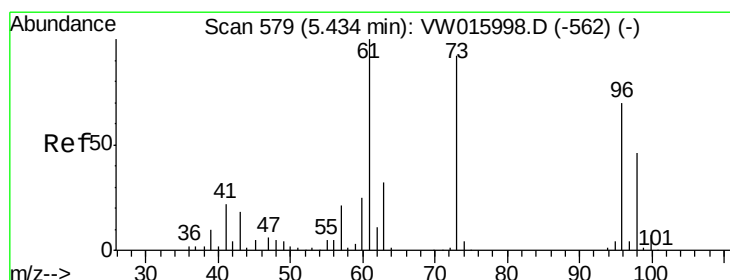
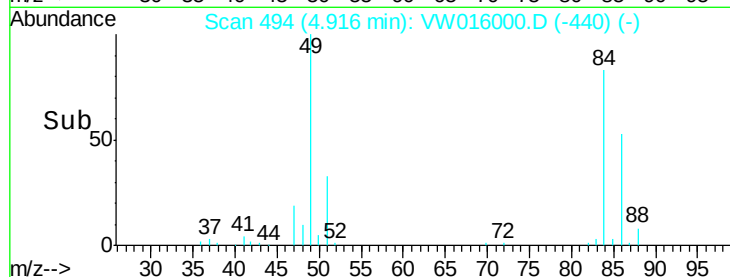
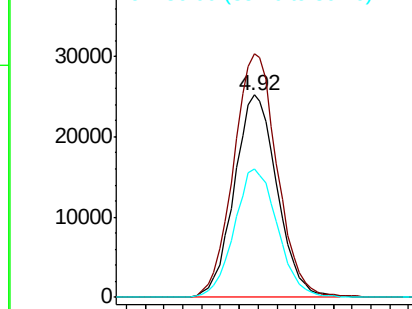
84 100

49 120.3 91.1 169.1

86 63.7 46.0 85.4



Abundance Ion 84.00 (83.70 to 84.70): VW  
Ion 49.00 (48.70 to 49.70): VW  
Ion 86.00 (85.70 to 86.70): VW



#17

Methyl tert-butyl Ether

Concen: 34.158 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW016000.D

Acq: 30 Jul 2020 10:05

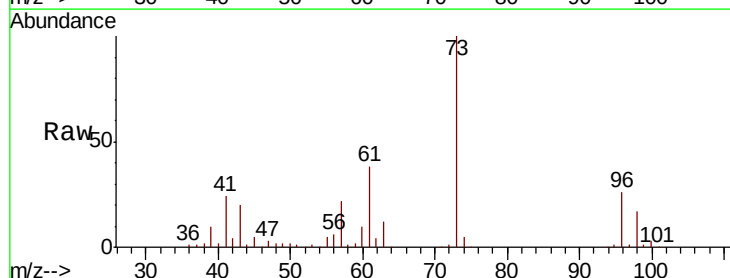
Tgt Ion: 73 Resp: 279382

Ion Ratio Lower Upper

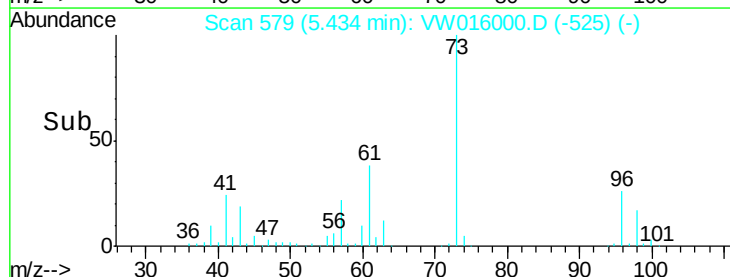
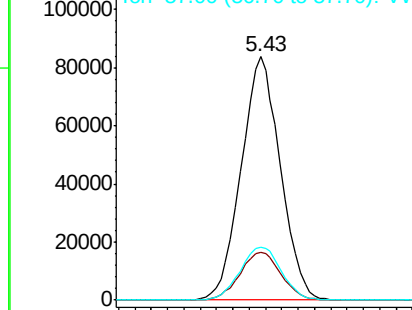
73 100

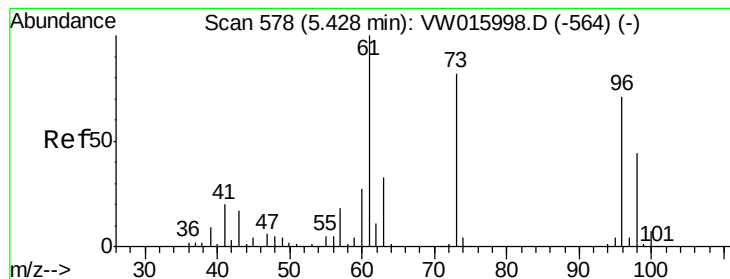
43 20.6 18.4 27.6

57 22.9 17.8 26.8



Abundance Ion 73.00 (72.70 to 73.70): VW  
Ion 43.00 (42.70 to 43.70): VW  
Ion 57.00 (56.70 to 57.70): VW





#18

trans-1,2-Dichloroethene

Concen: 11.534 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016000.D

Acq: 30 Jul 2020 10:05

Instrument :

MSVOA\_W

ClientSampled :

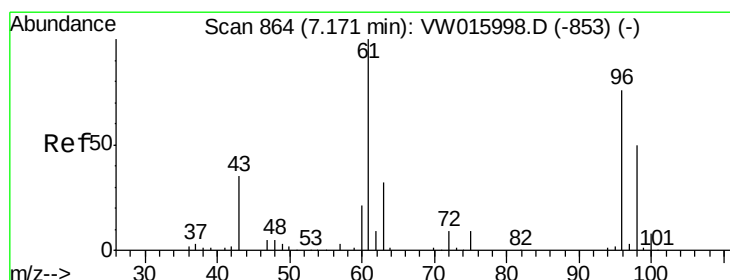
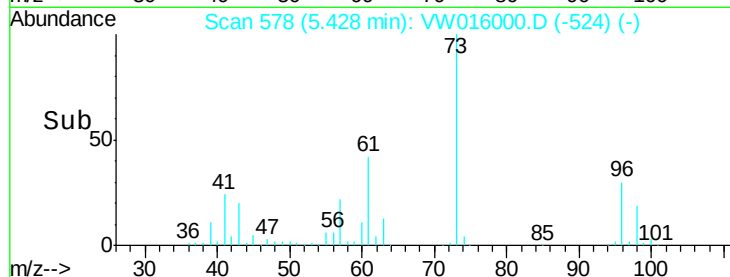
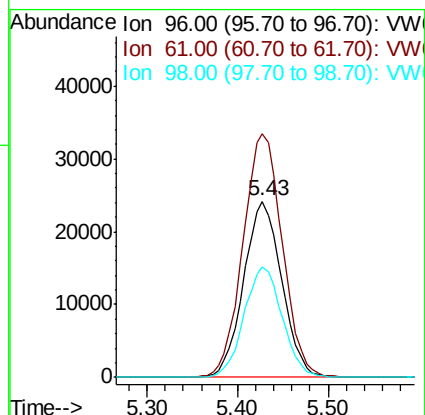
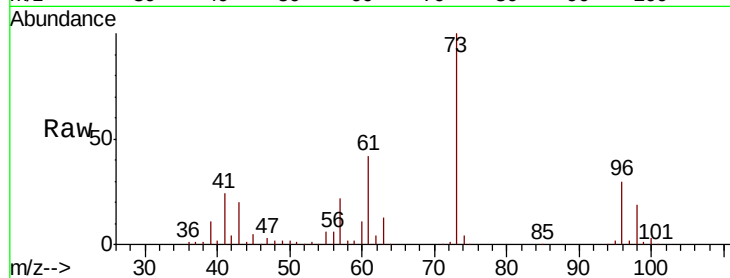
Tot Ion: 96 Resp: 70449

Ion Ratio Lower Upper

96 100

61 138.4 99.3 184.5

98 62.8 42.9 79.7



#22

cis-1,2-Dichloroethene

Concen: 27.986 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW016000.D

Acq: 30 Jul 2020 10:05

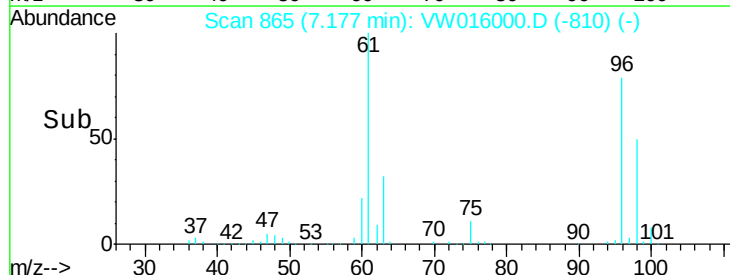
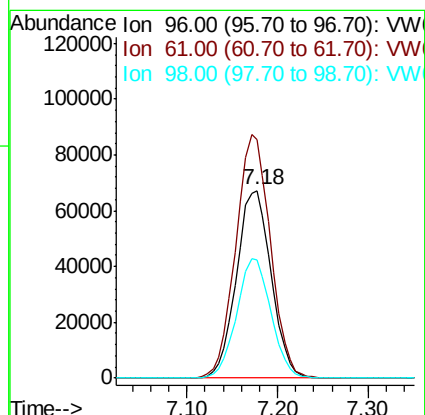
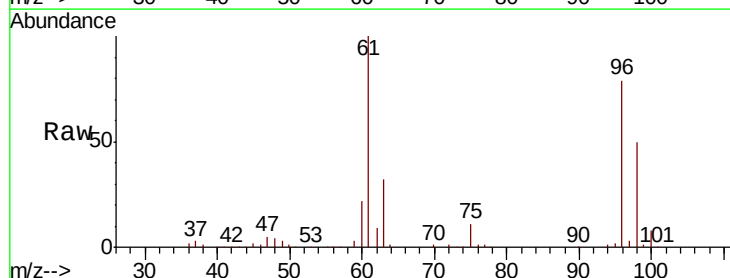
Tgt Ion: 96 Resp: 178837

Ion Ratio Lower Upper

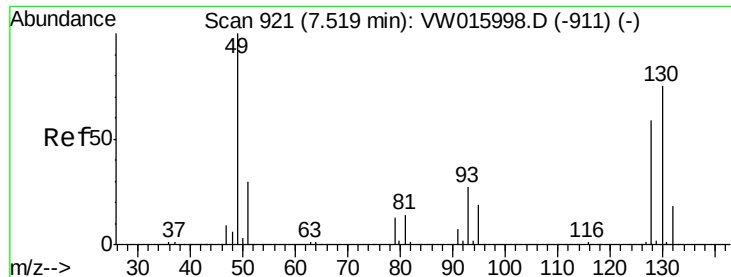
96 100

61 126.7 94.6 175.8

98 63.1 44.3 82.3







#23

Bromochloromethane

Concen: 15.920 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW016000.D

Acq: 30 Jul 2020 10:05

Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion:128 Resp: 44609

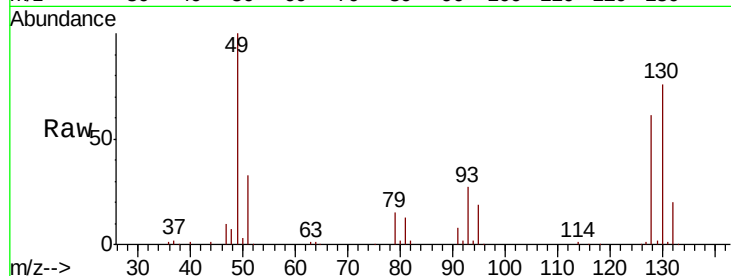
Ion Ratio Lower Upper

128 100

49 165.3 122.4 227.2

130 125.7 93.9 174.5

51 53.7 43.2 64.8

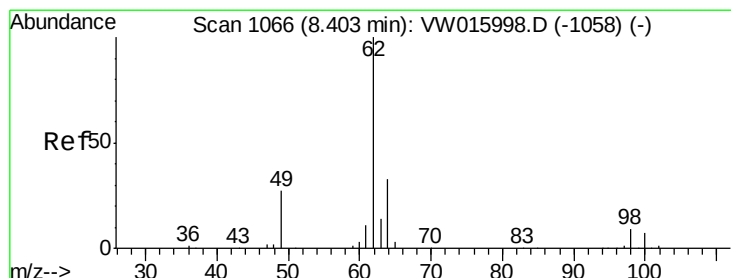
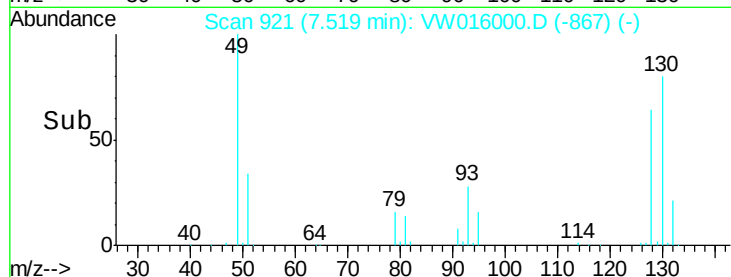
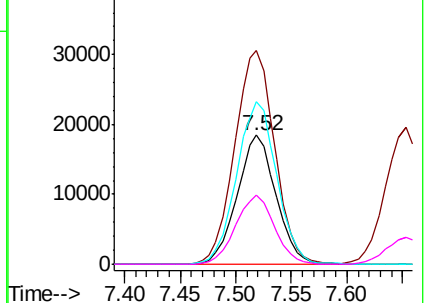


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW



#27

1,2-Dichloroethane

Concen: 10.138 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016000.D

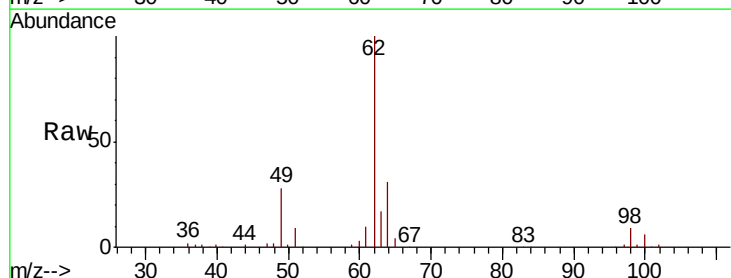
Acq: 30 Jul 2020 10:05

Tgt Ion: 62 Resp: 76953

Ion Ratio Lower Upper

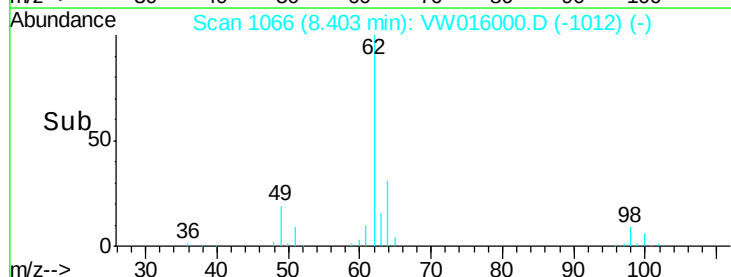
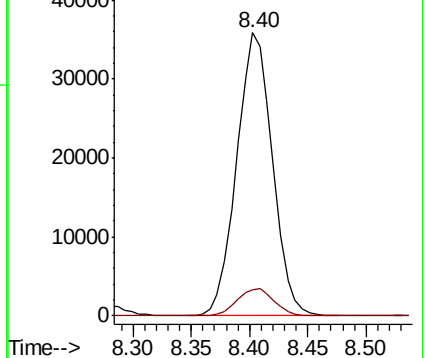
62 100

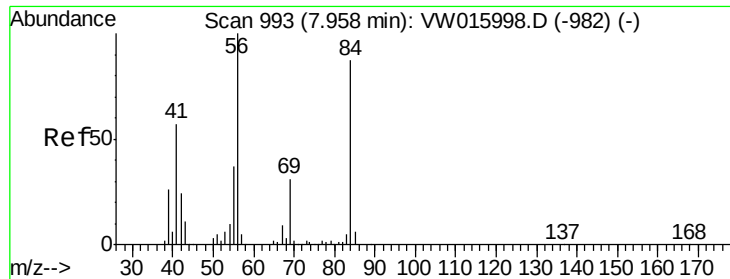
98 9.0 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

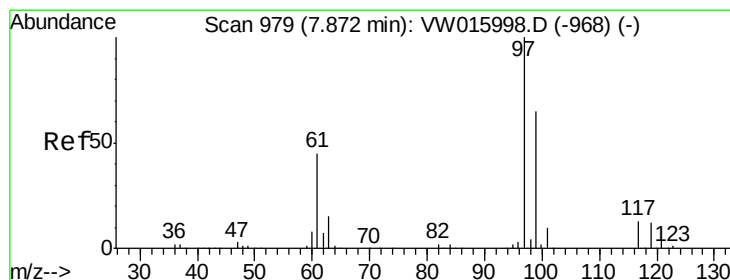
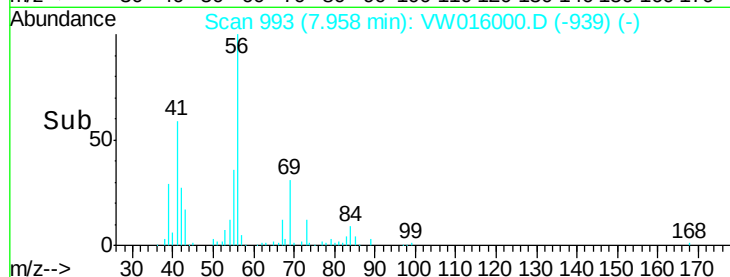
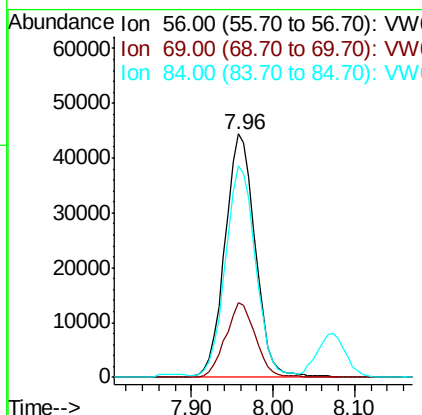
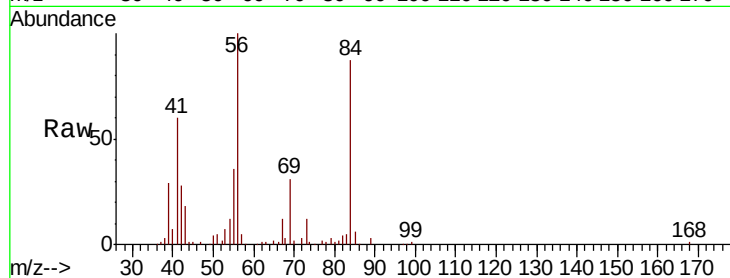




#30  
Cyclohexane  
Concen: 10.924 ug/L  
RT: 7.96 min Scan# 993  
Delta R.T. 0.00 min  
Lab File: VW016000.D  
Acq: 30 Jul 2020 10:05

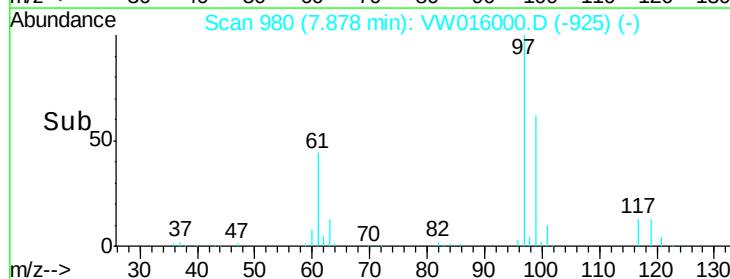
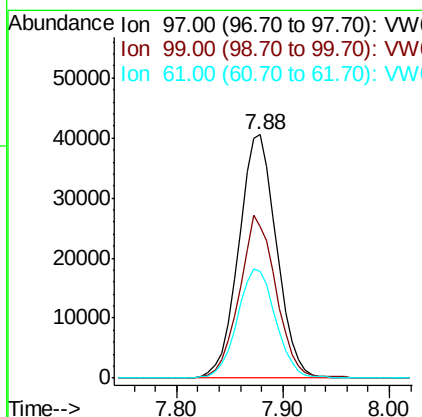
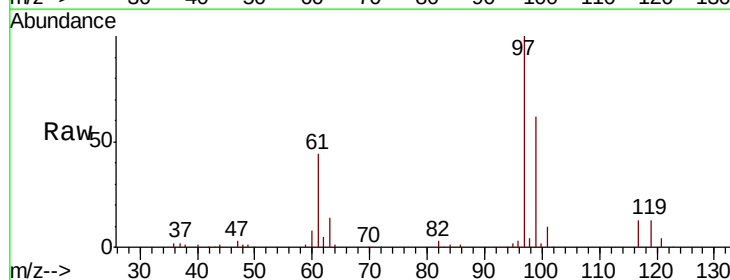
Instrument :  
MSVOA\_W  
ClientSampled :

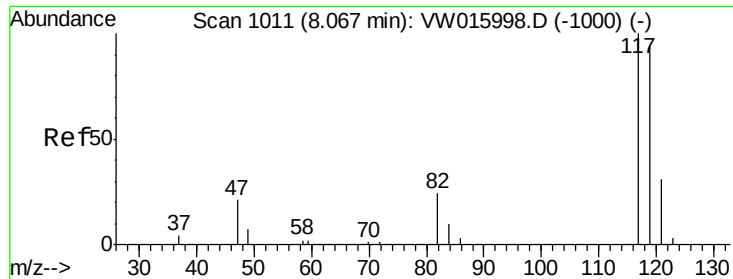
Tot Ion: 56 Resp: 113680  
Ion Ratio Lower Upper  
56 100  
69 30.4 24.4 36.6  
84 87.0 69.3 103.9



#31  
1,1,1-Trichloroethane  
Concen: 10.506 ug/L  
RT: 7.88 min Scan# 980  
Delta R.T. 0.01 min  
Lab File: VW016000.D  
Acq: 30 Jul 2020 10:05

Tgt Ion: 97 Resp: 101249  
Ion Ratio Lower Upper  
97 100  
99 64.5 51.9 77.9  
61 45.5 37.6 56.4





#32

Carbon tetrachloride

Concen: 12.994 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW016000.D

Acq: 30 Jul 2020 10:05

Instrument :

MSVOA\_W

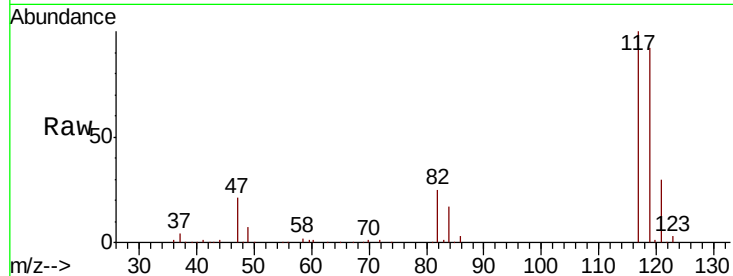
ClientSampled :

Tot Ion:117 Resp: 113554

Ion Ratio Lower Upper

117 100

119 97.0 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

50000

40000

30000

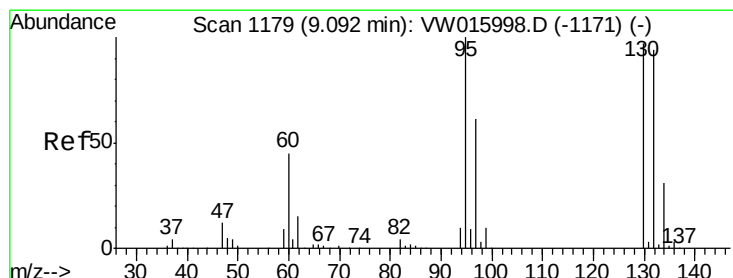
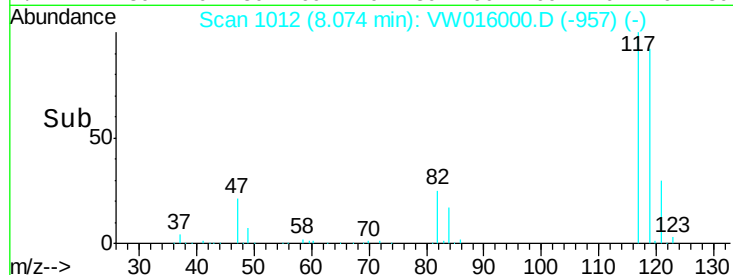
20000

10000

0

8.00 8.10 8.20

Time-->



#35

Trichloroethene

Concen: 42.683 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW016000.D

Acq: 30 Jul 2020 10:05

Tgt Ion: 95 Resp: 283029

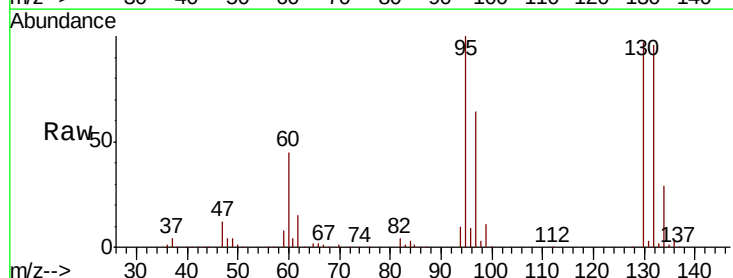
Ion Ratio Lower Upper

95 100

97 65.0 44.4 82.4

132 98.1 65.1 120.9

130 101.6 68.6 127.4



Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW

9.09

200000

150000

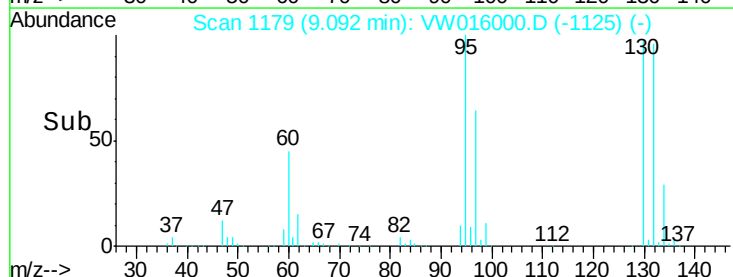
100000

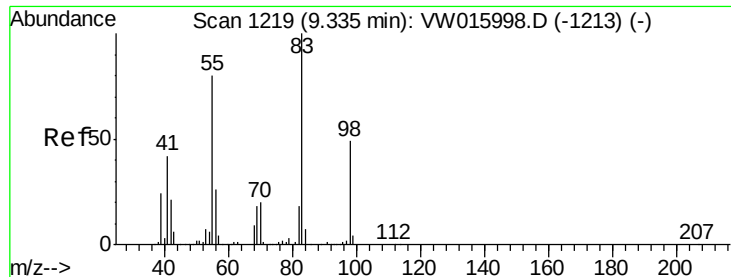
50000

0

9.00 9.05 9.10 9.15

Time-->

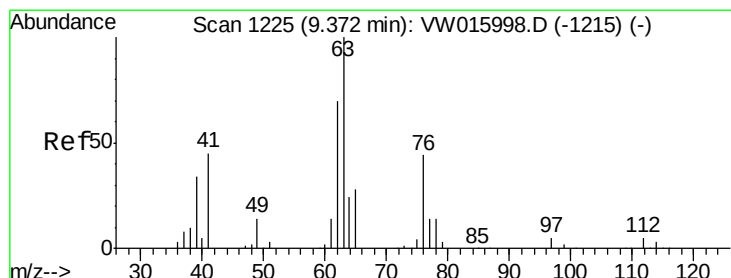
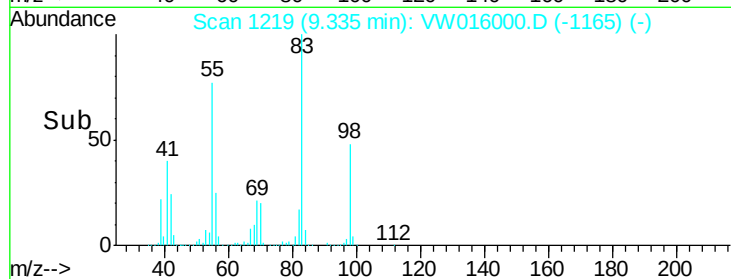
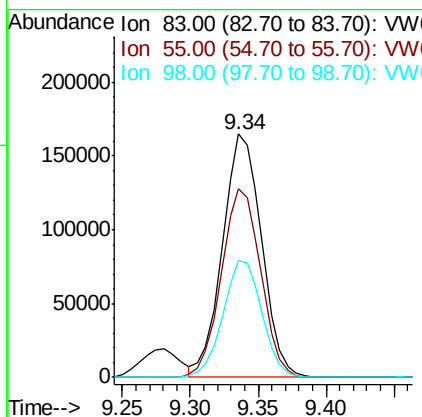
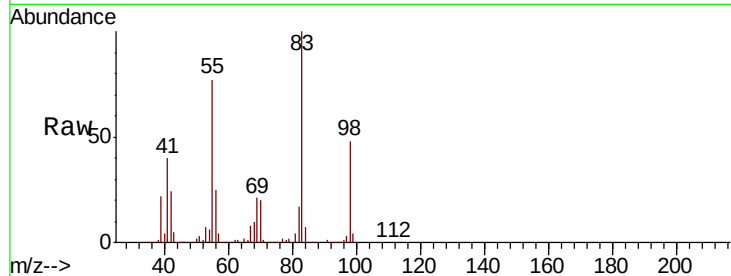




#36  
Methylcyclohexane  
Concen: 28.944 ug/L  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: VW016000.D  
Acq: 30 Jul 2020 10:05

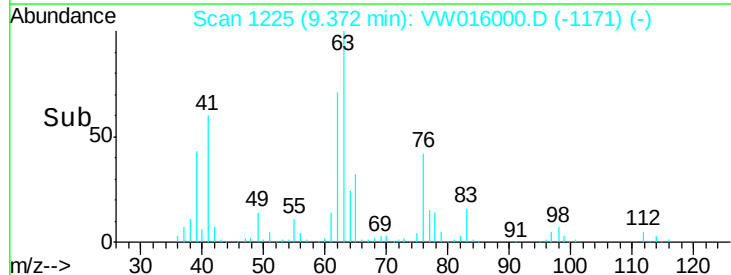
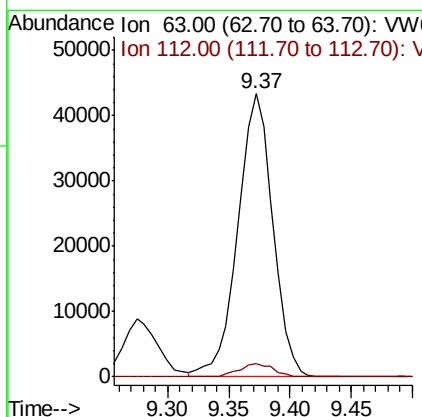
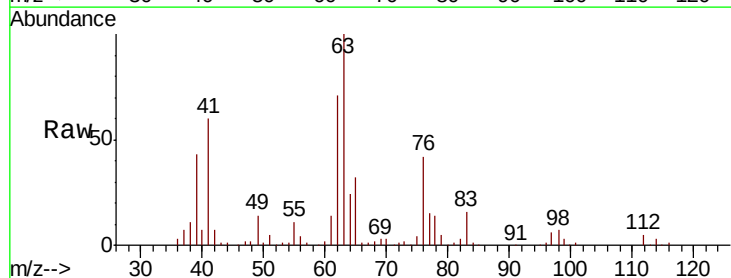
Instrument :  
MSVOA\_W  
ClientSampled :

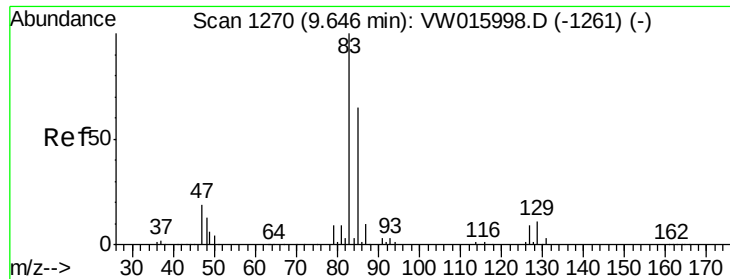
Tot Ion: 83 Resp: 329332  
Ion Ratio Lower Upper  
83 100  
55 77.9 63.5 95.3  
98 47.9 39.0 58.4



#40  
1,2-Dichloropropane  
Concen: 13.861 ug/L  
RT: 9.37 min Scan# 1225  
Delta R.T. 0.00 min  
Lab File: VW016000.D  
Acq: 30 Jul 2020 10:05

Tgt Ion: 63 Resp: 86073  
Ion Ratio Lower Upper  
63 100  
112 4.8 3.7 5.5





#41

Bromodichloromethane

Concen: 20.668 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016000.D

Acq: 30 Jul 2020 10:05

Instrument :

MSVOA\_W

ClientSampled :

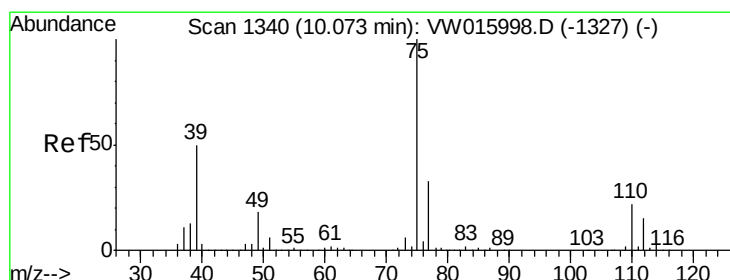
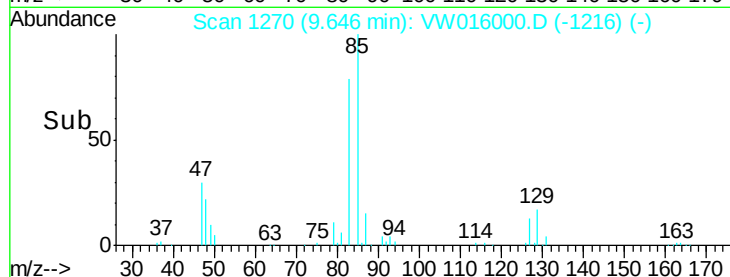
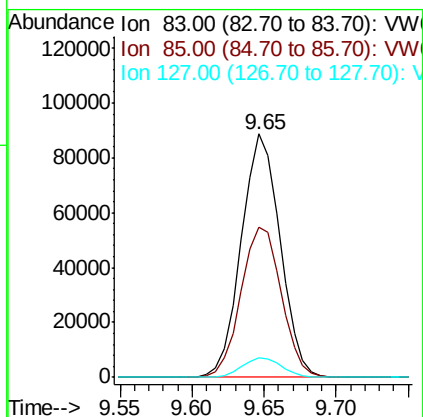
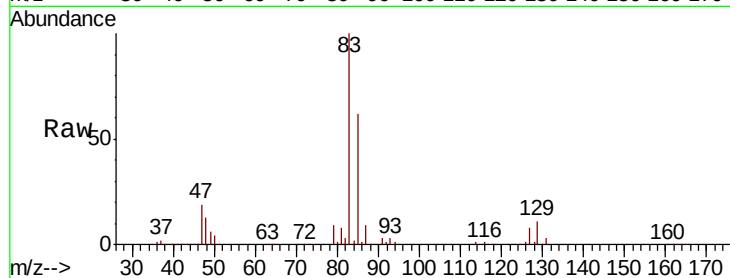
Tot Ion: 83 Resp: 165753

Ion Ratio Lower Upper

83 100

85 61.9 43.7 81.1

127 8.2 6.5 9.7



#42

cis-1,3-Dichloropropene

Concen: 17.733 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016000.D

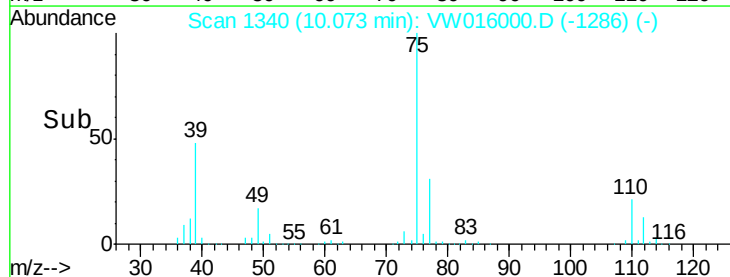
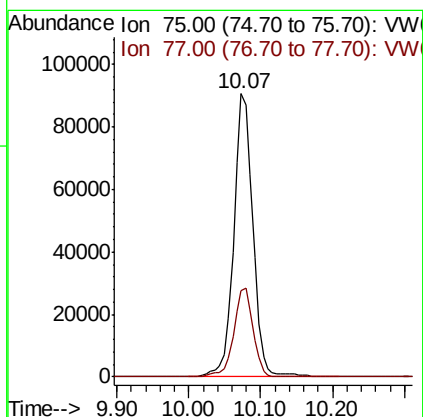
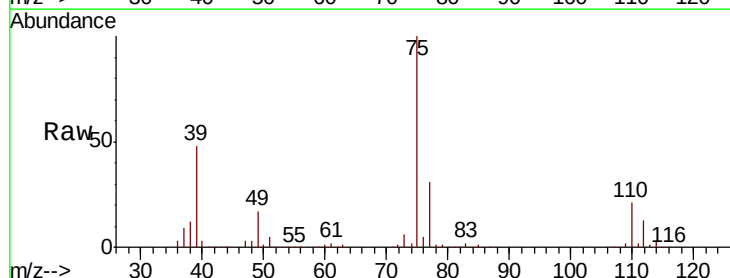
Acq: 30 Jul 2020 10:05

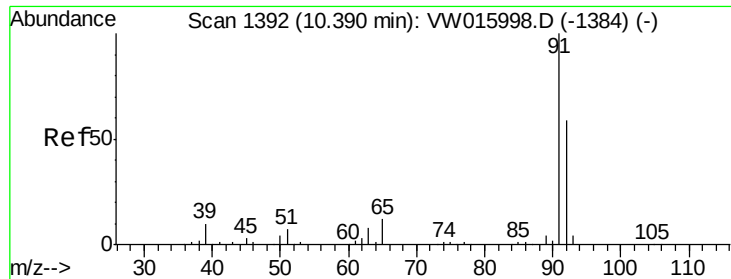
Tgt Ion: 75 Resp: 167711

Ion Ratio Lower Upper

75 100

77 30.6 22.2 41.2





#44

Toluene

Concen: 22.319 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016000.D

Acq: 30 Jul 2020 10:05

Instrument :

MSVOA\_W

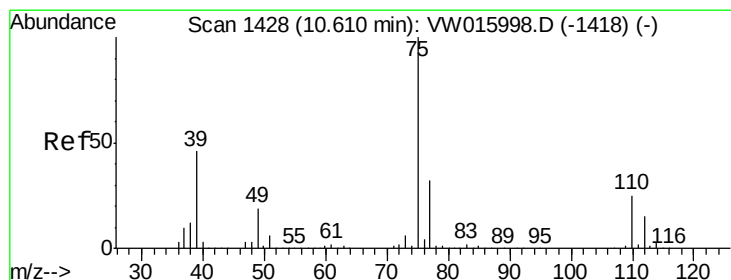
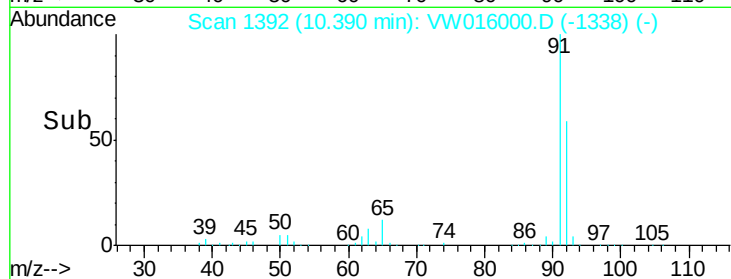
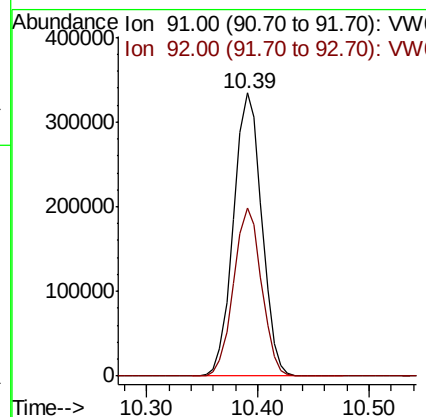
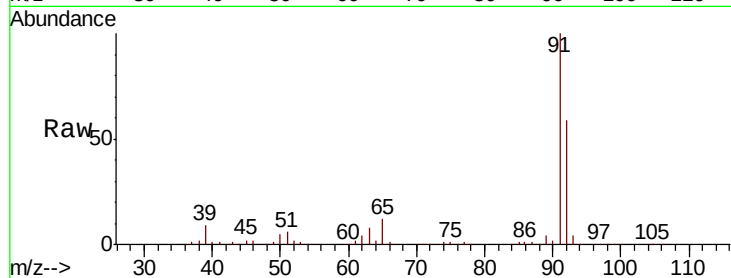
ClientSampleId :

Tot Ion: 91 Resp: 586780

Ion Ratio Lower Upper

91 100

92 59.5 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 8.013 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016000.D

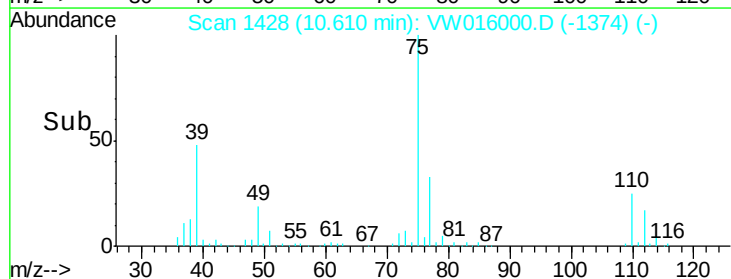
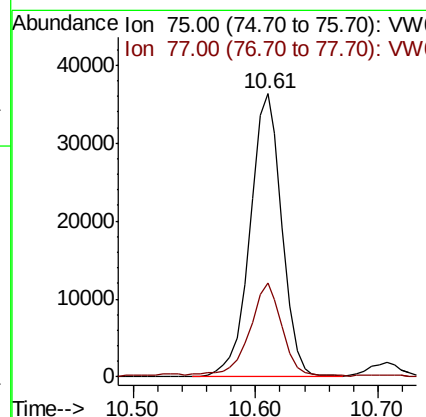
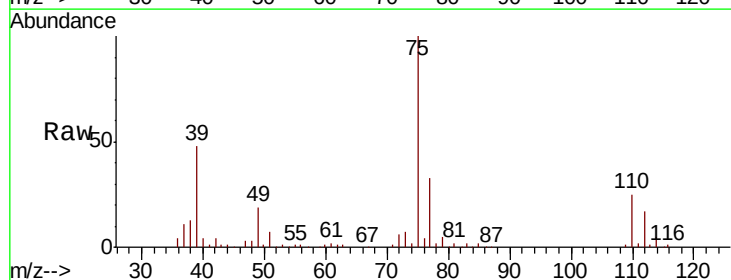
Acq: 30 Jul 2020 10:05

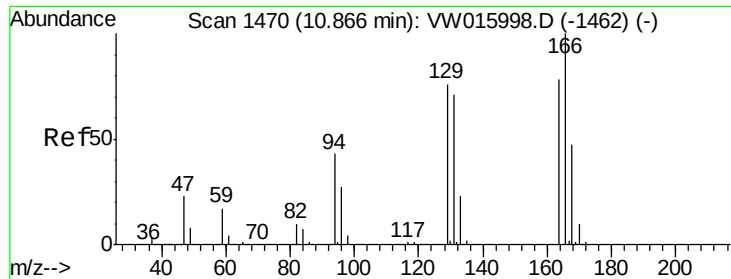
Tgt Ion: 75 Resp: 65692

Ion Ratio Lower Upper

75 100

77 33.4 22.5 41.9

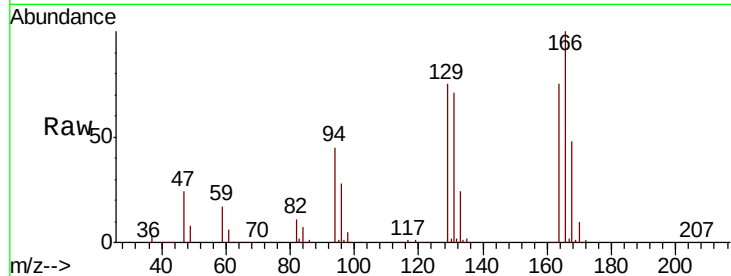




#47  
Tetrachloroethene  
Concen: 43.812 ug/L  
RT: 10.87 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VW016000.D  
Acq: 30 Jul 2020 10:05

Instrument :  
MSVOA\_W  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 129     | 99.4  | 70.0  | 130.0 |
| 131     | 93.6  | 67.3  | 124.9 |
| 166     | 132.6 | 88.5  | 164.3 |



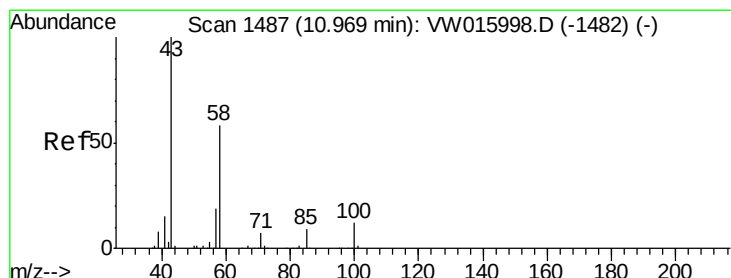
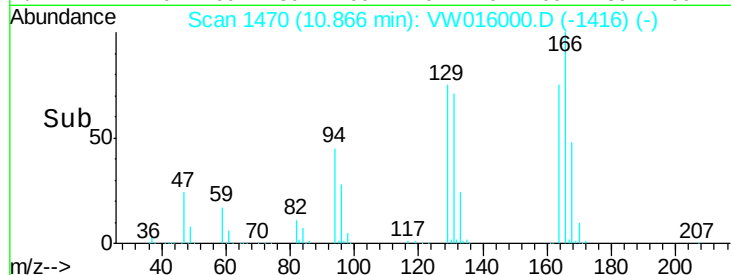
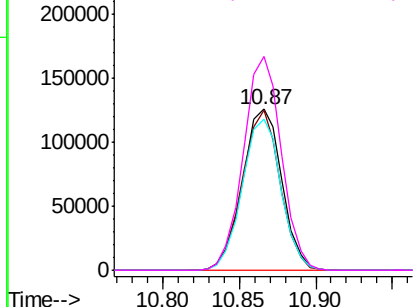
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

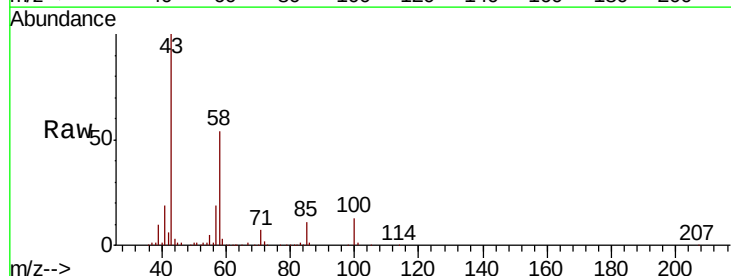
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49  
2-Hexanone  
Concen: 40.044 ug/L  
RT: 10.98 min Scan# 1488  
Delta R.T. 0.01 min  
Lab File: VW016000.D  
Acq: 30 Jul 2020 10:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 53.8  | 42.4  | 63.6  |
| 57      | 19.7  | 15.6  | 23.4  |
| 100     | 12.8  | 9.8   | 14.6  |



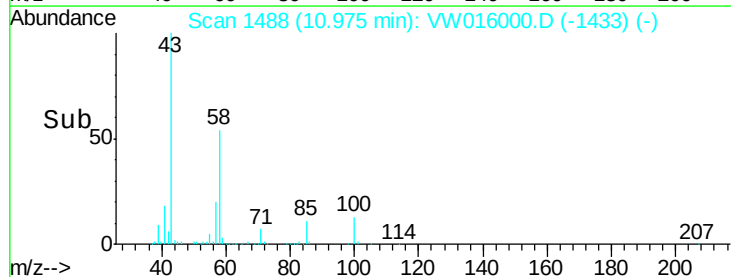
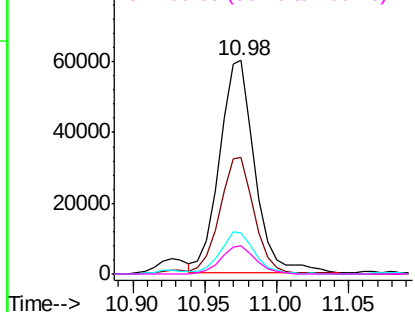
Abundance

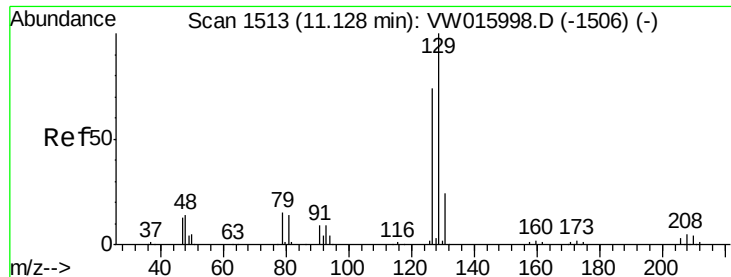
Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV

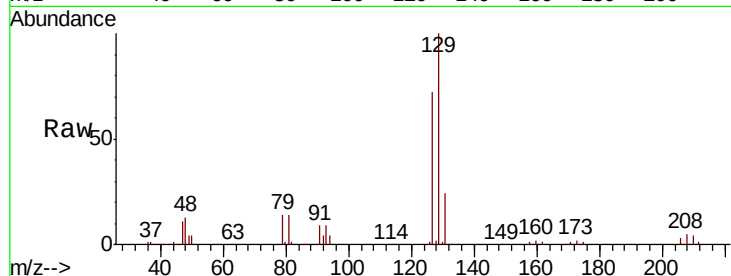




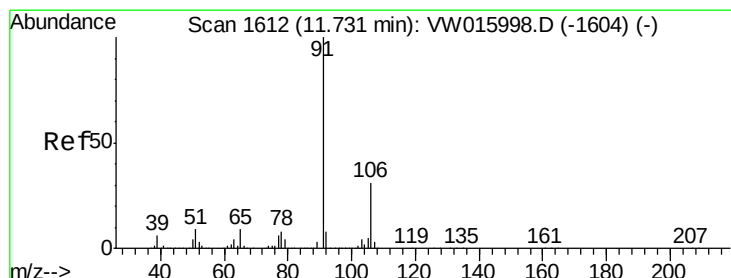
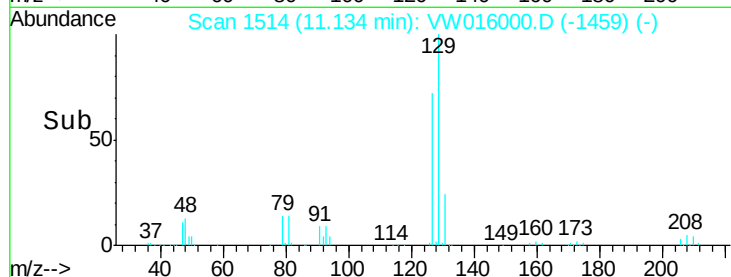
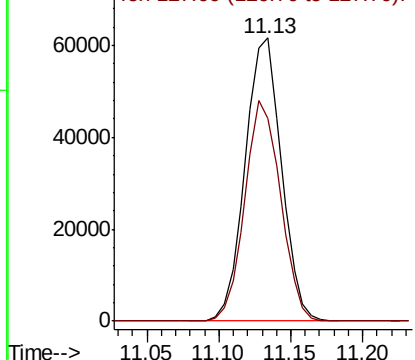
#50  
Dibromochloromethane  
Concen: 20.793 ug/L  
RT: 11.13 min Scan# 1514  
Delta R.T. 0.01 min  
Lab File: VW016000.D  
Acq: 30 Jul 2020 10:05

Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion:129 Resp: 107499  
Ion Ratio Lower Upper  
129 100  
127 71.8 53.8 100.0

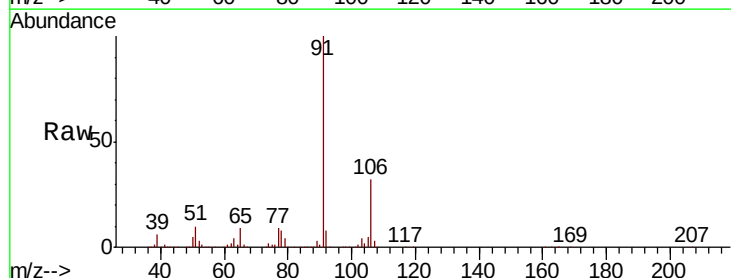


Abundance Ion 129.00 (128.70 to 129.70): V  
Ion 127.00 (126.70 to 127.70): V

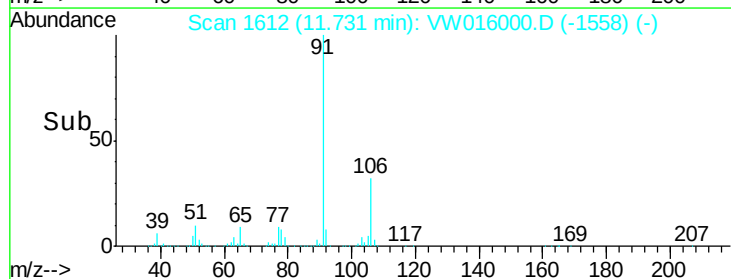
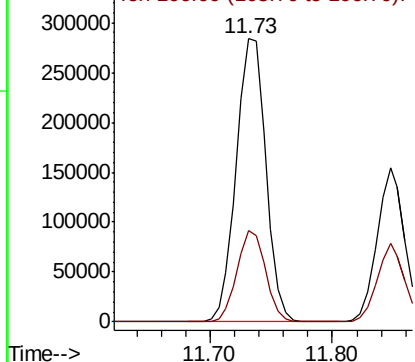


#53  
Ethylbenzene  
Concen: 16.116 ug/L  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW016000.D  
Acq: 30 Jul 2020 10:05

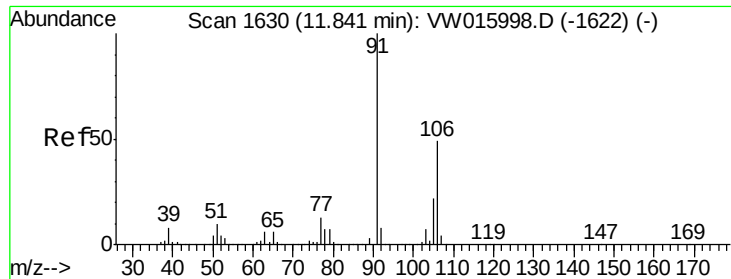
Tgt Ion: 91 Resp: 476453  
Ion Ratio Lower Upper  
91 100  
106 32.3 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VW  
Ion 106.00 (105.70 to 106.70): V







#54

m,p-Xylene

Concen: 10.953 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW016000.D

Acq: 30 Jul 2020 10:05

Instrument :

MSVOA\_W

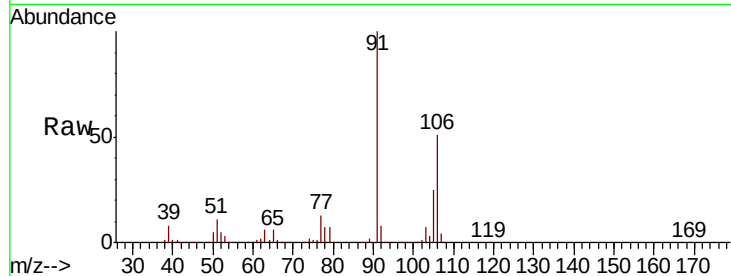
ClientSampled :

Tot Ion:106 Resp: 121144

Ion Ratio Lower Upper

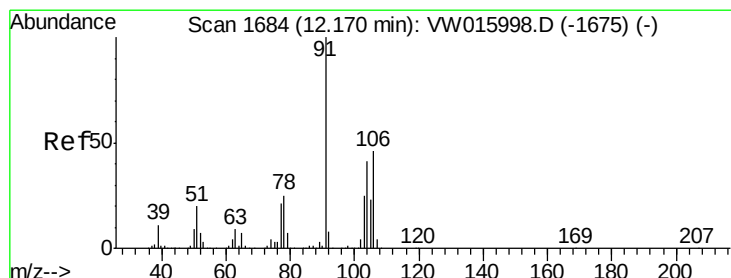
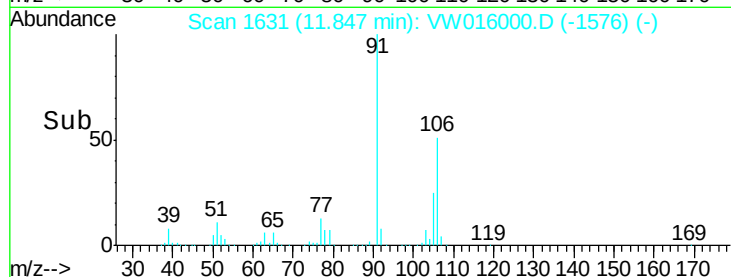
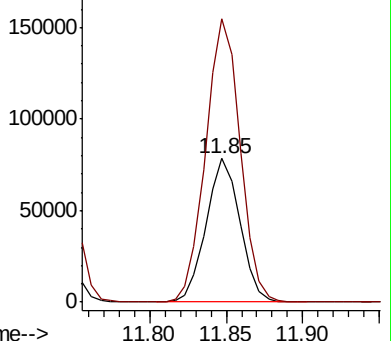
106 100

91 197.4 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 13.087 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016000.D

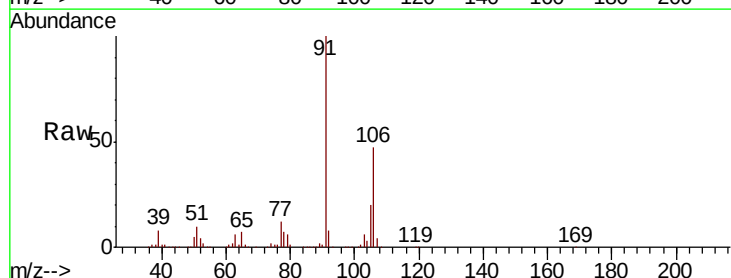
Acq: 30 Jul 2020 10:05

Tgt Ion:106 Resp: 136298

Ion Ratio Lower Upper

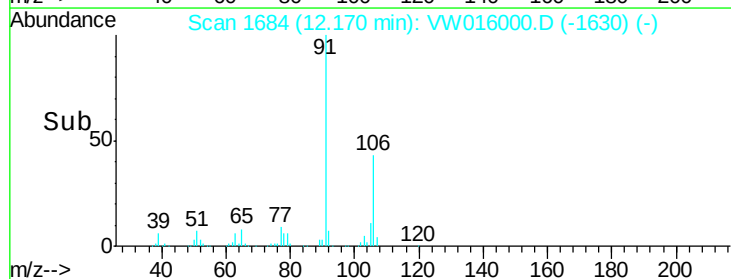
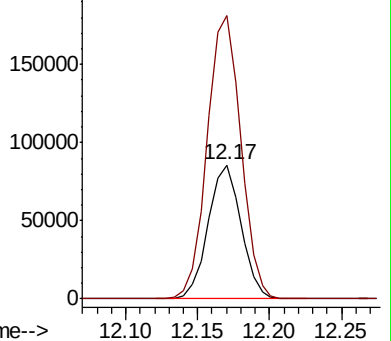
106 100

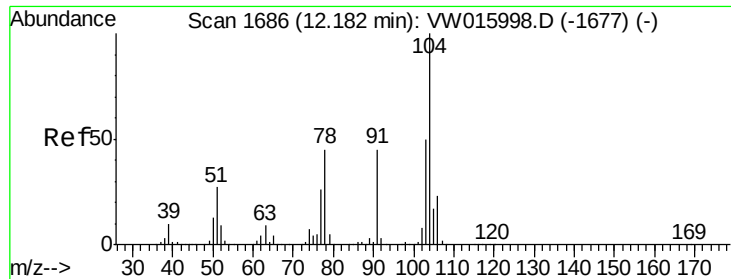
91 211.0 146.8 272.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Stvrene

Concen: 0.498 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.01 min

Lab File: VW016000.D

Acq: 30 Jul 2020 10:05

Instrument :

MSVOA\_W

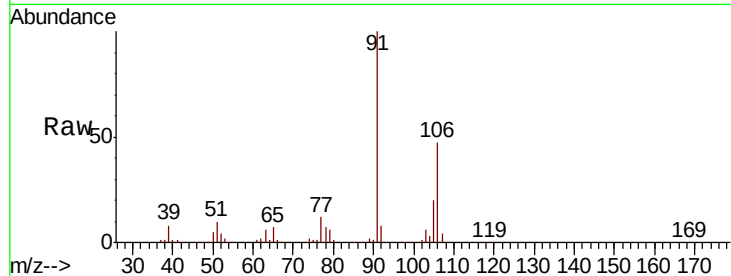
ClientSampled :

Tot Ion:104 Resp: 8814

Ion Ratio Lower Upper

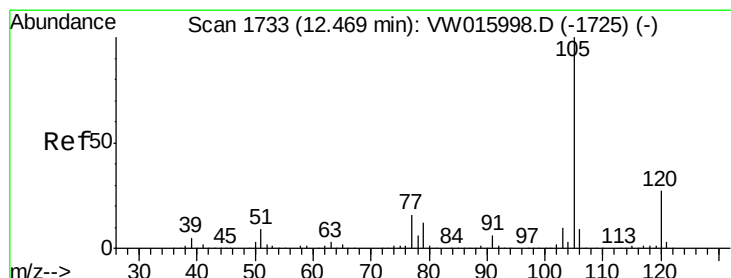
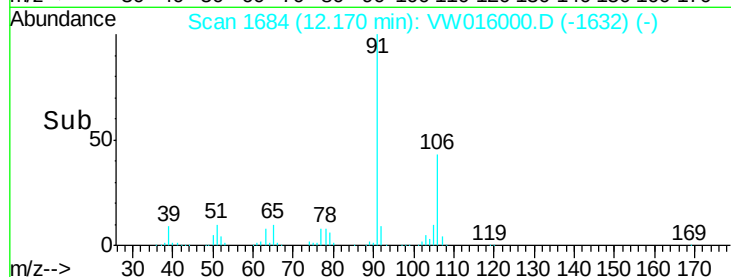
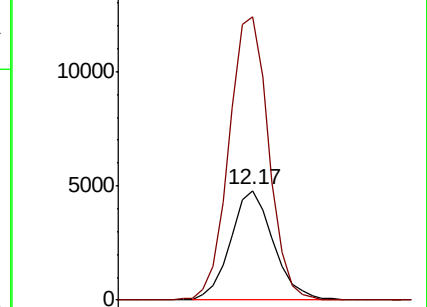
104 100

78 258.4 32.0 59.4#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V



#57

Isopropylbenzene

Concen: 13.321 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016000.D

Acq: 30 Jul 2020 10:05

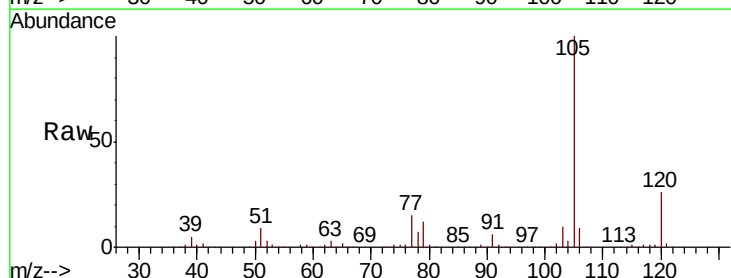
Tgt Ion:105 Resp: 377670

Ion Ratio Lower Upper

105 100

120 26.2 20.4 30.6

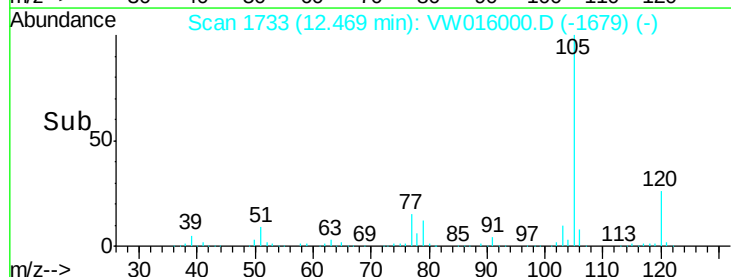
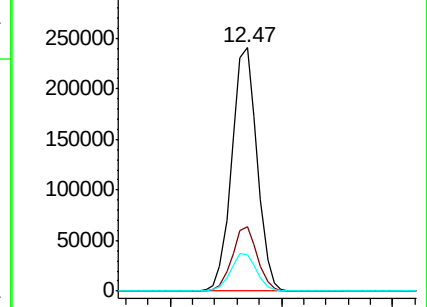
77 15.7 12.9 19.3

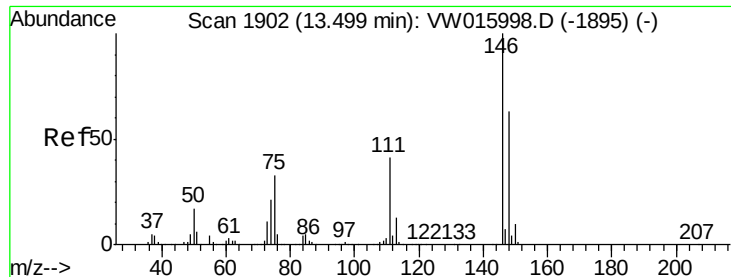


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

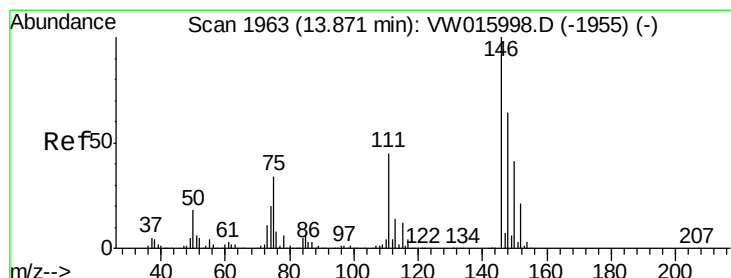
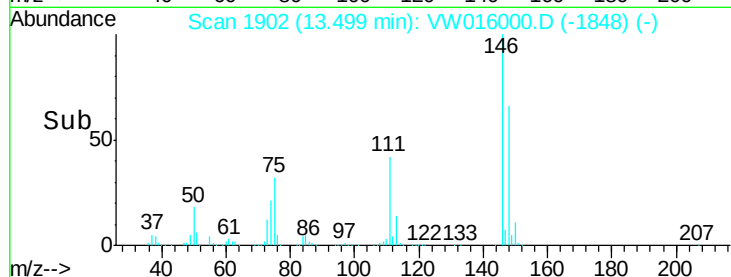
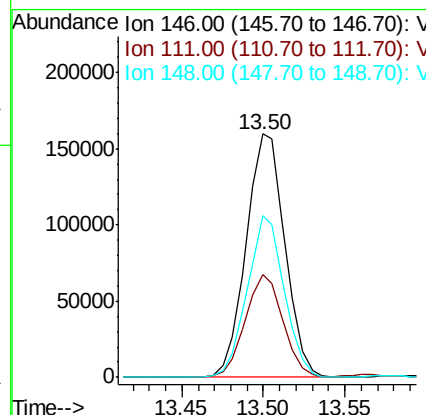
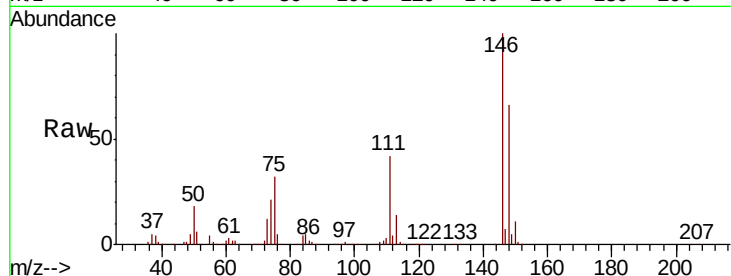




#63  
 1,3-Dichlorobenzene  
 Concen: 21.477 ug/L  
 RT: 13.50 min Scan# 1902  
 Delta R.T. 0.00 min  
 Lab File: VW016000.D  
 Acq: 30 Jul 2020 10:05

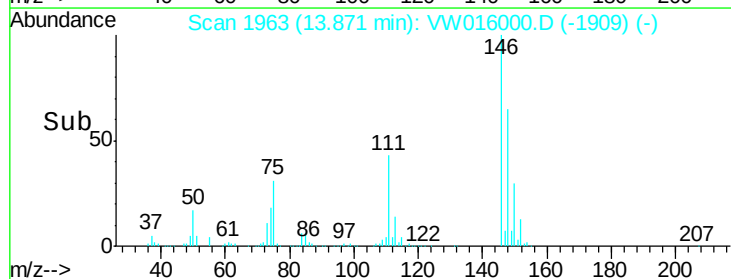
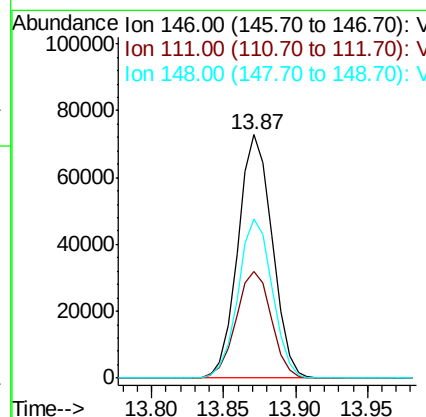
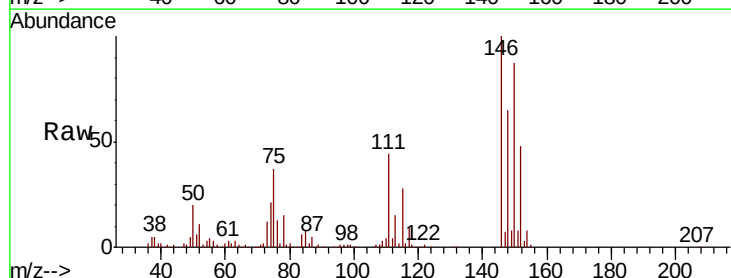
Instrument :  
 MSVOA\_W  
 ClientSampleId :

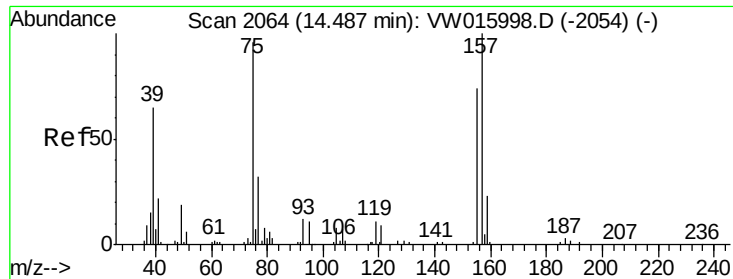
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.4  | 27.9  | 51.7  |
| 148     | 66.2  | 43.2  | 80.2  |



#65  
 1,2-Dichlorobenzene  
 Concen: 10.835 ug/L  
 RT: 13.87 min Scan# 1963  
 Delta R.T. 0.00 min  
 Lab File: VW016000.D  
 Acq: 30 Jul 2020 10:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.6  | 32.9  | 49.3  |
| 148     | 65.4  | 48.8  | 73.2  |

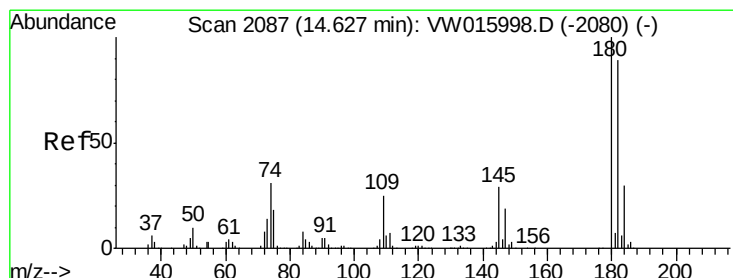
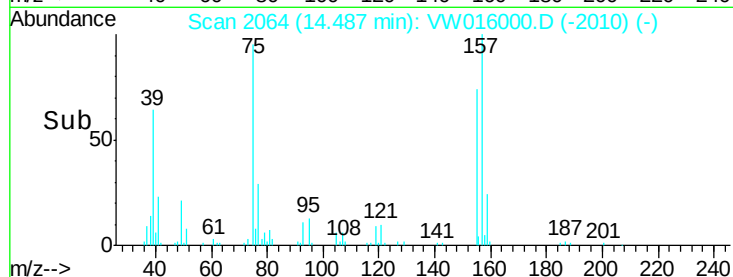
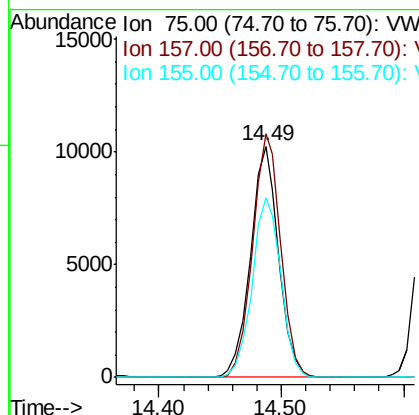
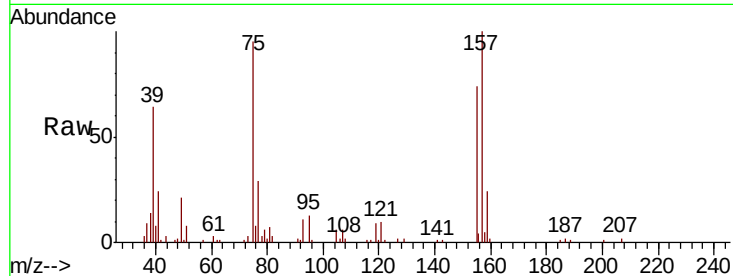




#66  
 1,2-Dibromo-3-chloropropane  
 Concen: 19.500 ug/L  
 RT: 14.49 min Scan# 2064  
 Delta R.T. 0.00 min  
 Lab File: VW016000.D  
 Acq: 30 Jul 2020 10:05

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Tot Ion: 75 Resp: 16389  
 Ion Ratio Lower Upper  
 75 100  
 157 105.5 83.0 124.4  
 155 78.0 66.9 100.3



#67  
 1,3,5-Trichlorobenzene  
 Concen: 28.176 ug/L  
 RT: 14.63 min Scan# 2088  
 Delta R.T. 0.01 min  
 Lab File: VW016000.D  
 Acq: 30 Jul 2020 10:05

Tgt Ion: 180 Resp: 243542  
 Ion Ratio Lower Upper  
 180 100  
 182 93.6 75.4 113.0  
 184 29.8 24.6 37.0  
 145 28.9 24.1 36.1

